

# Read This First

## 80C00, 80E00, 80A00, and 82A00 Series Modules

### Module Installation

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**NOTE.** To facilitate installation, turn the hold-down screws counterclockwise so that they are completely out, and then be sure to seat the module completely into its compartment.

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To install a module, first power off the instrument using the front-panel On/Standby power switch. Then place the module into a compartment, and slowly push it in with firm pressure. Once the module is seated, turn the hold-down screws clockwise to lock the module into place.

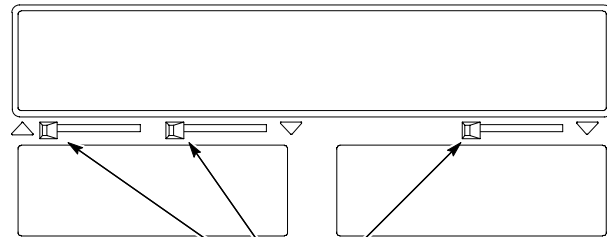
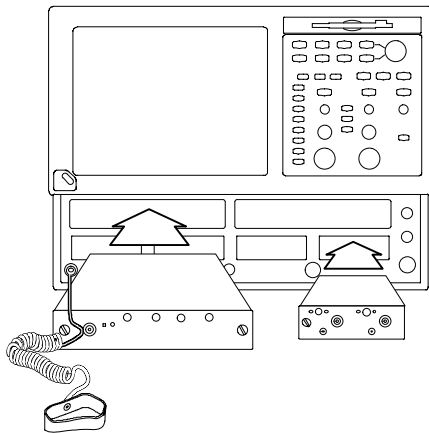


**CAUTION.** To prevent damage to the modules or instrument, never install or remove a module when the instrument is ON (powered-on).

When removing a module, turn the hold-down screws counterclockwise, then eject the module using the module ejectors.

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Once you have secured the module, you can turn on the instrument.



Use module ejectors after  
unscrewing the hold-down  
screws

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**NOTE.** After installing a sampling module or moving a sampling module from one compartment to another, you should run Compensation from the Utilities menu to ensure that the instrument meets its specifications. You must run a compensation if an extender is installed, changed, or removed from a module.

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**CAUTION.** The inputs and outputs of sampling modules are subject to damage from electrostatic discharge (ESD). Always store and transport modules with their supplied SMA terminations installed and in a static-free container.

Always use a wrist strap (provided with your instrument) when handling modules or making connections. Discharge to ground any electrostatic charge that may be present on cables before attaching to modules.

Do not transport or ship the instrument with modules installed in the compartments.

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## Manuals for 8000 Series Modules

The user manuals for the 8000 Series modules are Acrobat PDF files located on the 8000 Series Documentation CDROM.

You can always find the most up-to-date version of user manuals at the Tektronix Web site, [www.tektronix.com](http://www.tektronix.com):

1. Select the Manuals link.
2. Enter the part number (omit dashes and trailing last two digits) or product name to locate the document:
  - *80C00 Series Optical Sampling Module* manual, Tektronix part number 071-0435-xx
  - *80E00 Series Electrical Sampling Module* manual: Tektronix part number 071-0434-xx
  - *80A01 Pre-Scaled Trigger Amplifier* manual: Tektronix part number 071-0873-xx
  - *80A02 EOS/ESD Protection Module* manual: Tektronix part number 071-1317-xx
  - *80A03 TekConnect © Probe Interface* manual: Tektronix part number 071-1298-xx
  - *80A05 Electrical Clock Recovery Module* manual: Tektronix part number 071-1467-xx
  - *80A06 PatternSync Module* manual: Tektronix part number 071-1744-xx
  - *82A04 Phase Reference Module*: documented in the *CSA8200 Communications Signal Analyzer and TDS8200 Digital Sampling Oscilloscope Quick Start User* manual Tektronix part number 071-1482-xx
3. Download the PDF to your instrument or PC.

Printed copies of these manuals are available for purchase by contacting Tektronix or from the Tektronix Web site.

## Product Software Requirements

Tektronix encourages you to keep your product software for the 8000 series mainframe current with the latest version appropriate for the version of Microsoft Windows installed on your mainframe. Visit the Tektronix Web site at [www.tektronix.com](http://www.tektronix.com) for upgrades and information. Select the Oscilloscopes page, and then the Sampling link for product information. From the Sampling Oscilloscopes page, select Download Software for software updates.

Check your version of product software by selecting *About TDS/CSA8000* in the Help menu.

### CSA/TDS8000 Series product software version required for module compatibility

Application software version	Optical modules supported	Electrical modules supported	Miscellaneous modules supported
1.0 <sup>1</sup>	80C01, 80C01-CR, 80C02/-CR, 80C03/-CR	80E01, 80E02, 80E03, 80E04	80A01, 80A02
1.1 <sup>1</sup>	Added: 80C04/CR1		
1.2 <sup>1</sup>	Added: 80C04-CR2, 80C05, 80C06		
1.3 <sup>1</sup>	Added: 80C07/-CR1, 80C08/-CR1, 80C09/-CR1		Added: 80A03
1.4 <sup>1</sup>	Added: 80C08B/-CR1-CR2, 80C10	Added: 80E06	
1.5 <sup>1</sup>	Added: 80C11/-CR1/-CR2/-CR3/-CR4, 80C08C/-CR1/-CR2/-CR4, 80C07B/-CR1		
2.0.1.3 <sup>2, 3</sup>	Added: 80C12 (limited)		Added: 80A05 (limited)
2.0.1.5 <sup>2</sup>	Added: 80C12		Added: 80A05
2.1 or greater <sup>2</sup>			Added: 82A04 <sup>4</sup>
2.4 or greater <sup>2</sup>			Added: 80A06

<sup>1</sup> Product application software version 1.x requires the Microsoft Windows 98 operating system.

<sup>2</sup> Product application software version 2.x requires the Microsoft Windows 2000 operating system.

<sup>3</sup> Product application software version 2.0.1.3 should be replaced with the latest version available.

<sup>4</sup> The 82A04 Phase Reference module must be installed in a CSA8200 or TDS8200 mainframe to function.